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(71) Applicant (for FR only): **SERVICES PETROLIERS
SCHLUMBERGER** [FR/FR]; 42, rue Saint Dominique,
F-75007 Paris (FR).

(71) Applicant (for JP, NI, NL, RO only): **SCHLUMBERGER
HOLDINGS LIMITED** [—/—]; P.O. Box 71, Craigmuir
Chambers, Road Town, Tortola (VG).

(71) Applicant (for CA, GB only): **SCHLUMBERGER
CANADA LIMITED** [CA/CA]; 24th Floor - Monenco
Place, 801 6th Avenue SW, Calgary, Alberta T2P 3W2
(CA).

(71) Applicant (for BF, BJ, CF, CG, CI, CM, CZ, GA, GN, GQ,
GW, IN, LT, MA, ML, MR, NE, SN, TD, TG, TN, VN only):
PETROLEUM RESEARCH & DEVELOPMENT N.V.
[NL/NL]; De Ruyterkade 26, Willemstad, Curacao (AN).

(71) Applicant (for AE, AG, AL, AM, AT, AU, AZ, BA, BB,
BE, BG, BR, BY, BZ, CH, CN, CO, CR, CU, CY, CZ, DE,
DK, DM, DZ, EC, EE, ES, FI, GD, GE, GH, GM, GR,
HR, HU, ID, IE, IL, IS, IT, KE, KG, KP, KR, KZ, LC, LK,
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SL, SZ, TJ, TM, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM,
ZW only): **SCHLUMBERGER TECHNOLOGY B.V.**
[NL/NL]; Parkstraat 83-89, NL-2514 JG The Hague (NL).

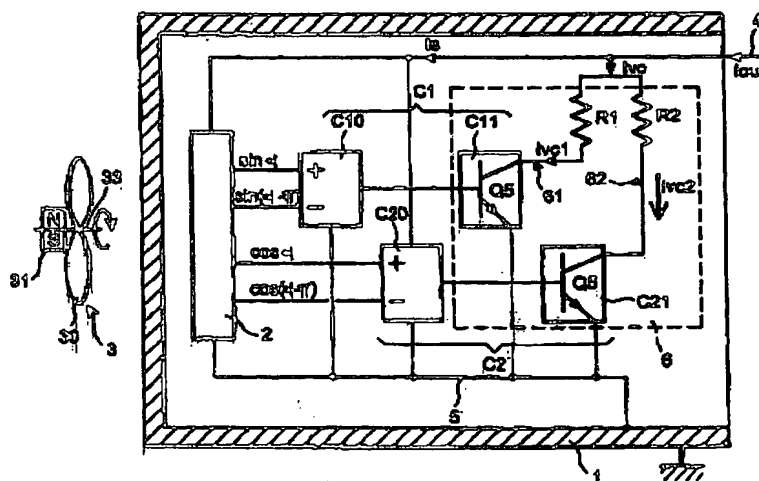
(71) Applicant (for CN only): **SCHLUMBERGER OVER-
SEAS S.A.** [PA/PA]; 8 Calle Aquilino de la Guardia,
Panama City (PA).

(71) Applicant (for OM, SD, TR only): **SCHLUMBERGER
OILFIELD ASSISTANCE LIMITED** [PA/PA]; 8 Calle
Aquilino de la Guardia, Panama City (PA).

(71) Applicant (for BR only): **SCHLUMBERGER
SURENCO S.A.** [PA/PA]; 8 Calle Aquilino de la
Guardia, Panama City (PA).

[Continued on next page]

(54) Title: COMPACT DEVICE FOR MEASURING THE SPEED AND THE DIRECTION OF ROTATION OF AN OBJECT



(57) Abstract: The invention concerns a device for measuring the speed and direction of rotation of an object (3) near to which it is placed. It comprises: - a magnetic detection device (2) that delivers, in response to a rotation of the object (3) generating a magnetic field variation, signals representative of its speed and its direction of rotation, - a conductor (4) intended to be connected to a power source to supply current to the magnetic detection device (2) at least, - current receptor means (6) placed between the magnetic detection device (2) and the conductor (4) that create, from signals coming from said magnetic detection device (2), a modulation of the current (Iout) flowing in the conductor (4), said modulated current (Iout) reflecting both the speed and the direction of rotation of the object (3). Application particularly in the oil industry.



(71) Applicant (for TT only): **SCHLUMBERGER SERVICES LIMITED** [—/—]; P.O. Box 438, Tortola (VG).

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(72) Inventors; and

(75) Inventors/Applicants (for US only): **FAUR, Marian** [FR/FR]; 6 Square de l'Alliance, F-91300 Massy (FR). **SELLIN, Jacques** [FR/FR]; 16, rue de la Fontaine, F-77310 Boissise Le Roi (FR). **PARMENTIER, Bernard** [FR/FR]; 10, Allee de Marchebout, F-78310 Maurepas (FR).

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(74) Agents: **RAYBAUD, Hélène et al.**; Etudes et Productions Schlumberger, B.P. 202, 1, rue Henri Becquerel, F-92142 Clamart Cedex (FR).

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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 100 60 621 A (DENSO CORP) 13 June 2001 (2001-06-13) column 6, line 15 - column 8, line 23; figures 1,2,7I,8I,9I,10I,11I,12I	1-14,17
X	WO 99 49322 A (CONTINENTAL TEVES AG & CO OHG ; LOHBERG PETER (DE); ZYDEK MICHAEL ()) 30 September 1999 (1999-09-30) page 4, last paragraph - page 8, paragraph 3; figures	1-14,17
A	US 3 636 767 A (DUFFY LAURENCE SIDNEY) 25 January 1972 (1972-01-25) column 1, line 42 - line 49 column 2, line 36 - column 3, line 5 column 5, line 17 - line 28; figures 1-4,15	1,15-18



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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Pflugfelder, G

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